

Istanbul

Live Communications Client

Eran Shtiegman, Lead Program Manager
Mu Han, Dev Manager

RTC - Live Communications Clients and
Telephony

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Real Time Collaboration (RTC) Vision

- ▶ Seamlessly connecting people and information in real-time; delivering
 - Business efficiencies
 - Accelerated informed decision-making
- ▶ Easy to use
- ▶ Multi-modal collaboration
- ▶ Seamlessly integrated into existing enterprise infrastructure
- ▶ A Client-Server-Service continuum providing universal availability

Real Time Collaboration (RTC) Vision

Unified Communications



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Identity

Real Time Collaboration (RTC) Vision

Unified Communications



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Real Time Collaboration (RTC) Vision

Unified Communications

- **Message management**

- Unified communications history

- **Improved productivity**

- Info Agent, PC & Phone, One identity

- **Multi-device access**

- PC, Phone, Cell, PDA

- **Integrated experiences**

- Productivity, CRM, Enterprise, workflow application integration



- **Consolidated extensible platform**

- Multimodal capable

- **Simplified architecture**

- **Lower development costs**

- **Infrastructure integration**

- Provisioning, credentials, auditing, policies, billing, routing, operations

- **Lower TCO**

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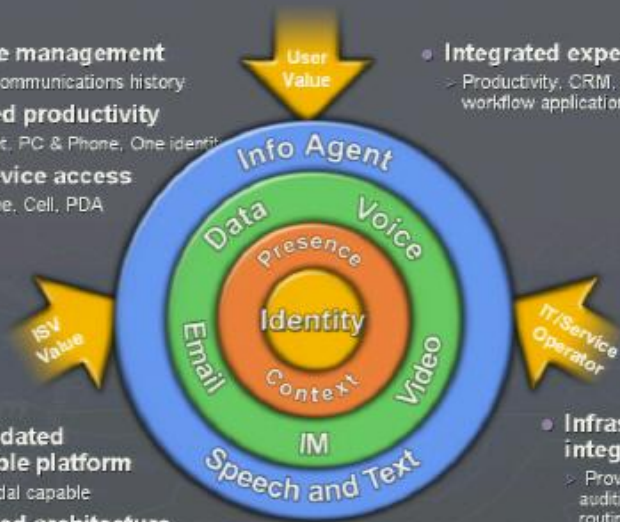
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Telephony Landscape

- Telephony and Enterprise messaging infrastructures are disconnected
 - ▶ Duplicated and poorly connected infrastructure
 - ▶ Separate user experiences
- Enterprises telephony will move to VoIP
 - ▶ Enterprises will not rip and replace over night
 - ▶ TDM will continue to dominate for xx years
- TCO will not be a significant driver
 - ▶ Productivity improvement and application integration will be
 - ▶ New capabilities will be

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Microsoft will deliver both a migration path and significant additional functionality/productivity to move enterprises to integrated solutions

What Is Istanbul?

Person Centric, Presence Enabled, Enterprise Grade Unified Communications Client

- ▶ Unified Communications Client
 - Seamless integration of real-time communication modes
 - People centric experience for communicating when and how it is most appropriate
 - Replacement for WM and NetMeeting and ET
- ▶ Enterprise focus
 - Enterprise Instant Messaging and Presence
 - Focus on productivity and ease of use integrated with leading desktop applications
- ▶ Integrated Voice solution
 - First Information Worker focused phone experience
 - PSTN conference bridge support
 - PBX integration
 - Advanced VoIP softphone
 - Standard based SIP platform

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Outline Slides

1 Istanbul Research Overview

2

3

4

5

6

7

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Click to add notes

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Live Communications Client

You are now signing out from Live Communications Client. All conversation windows will be closed.

OK Cancel

g desktop

Click to add notes

My Email Inbox

Send an Instant Message...

My Status

Sign In

Sign In As...

Sign Out

Open

Exit

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Demo



- ▶ Enhanced Presence
 - Custom presence notes
 - Offline presence with OOF message
 - Exchange free/busy data
 - Automated On the Phone presence
 - "Tagged" contacts
 - Separation of idle detection and away state

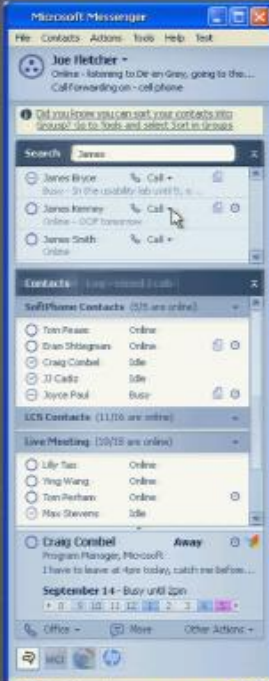


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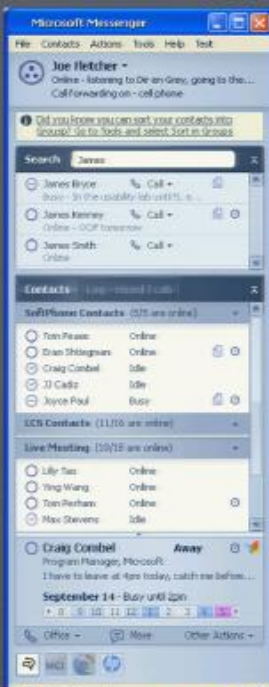
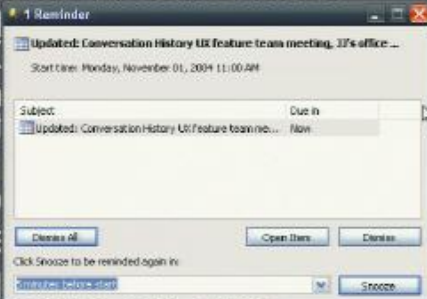


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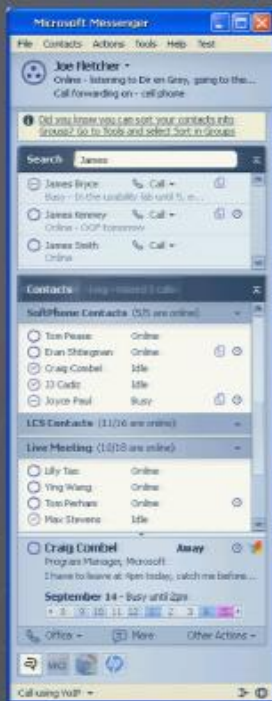


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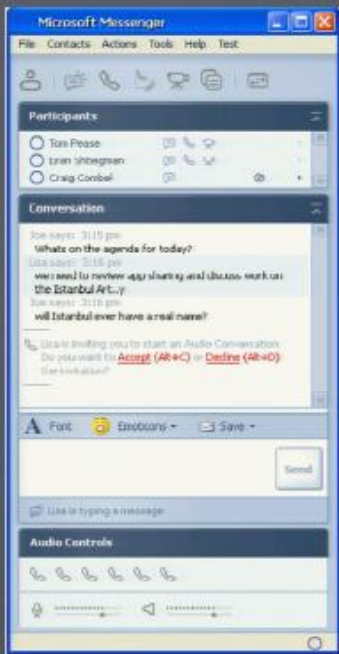


► Contact Management

- Iterative search integrated with both Outlook and AD contacts
- Cached mode for search
- Seamless integration with Outlook and WAB contacts
- Live Contact Card
- Federation support

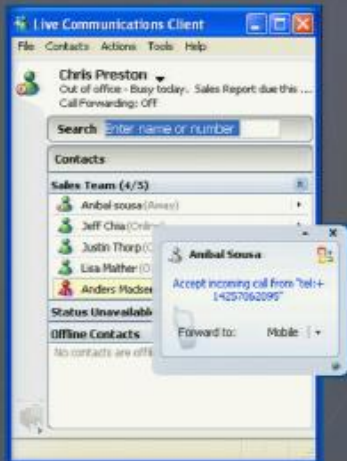


- ▶ Instant Messaging
 - Multi device support (MPOP)
 - Save to Email integration
 - Improved readability
 - Roster for multiparty conversation
 - Modular design



► Telephony

- Remote Call Control – Click to call, Hold, transfer, call waiting, deflect
- Point to Point VoIP Softphone
- Phone notifications
- PSTN Conferencing integration
- Standards based PBX integration



- Client side rules
 - Static Call forwarding
 - Dynamic forwarding based on Presence
 - Automatic PC Volume Settings
 - Do Not Disturb and Conference rules



- ▶ Audio/Video
 - CIF sized video!
 - New CBR/VBR/XBR WM9 real-time Codecs
 - H.263
 - RTVideo full motion (30fps) CIF ~ 200 kb/s



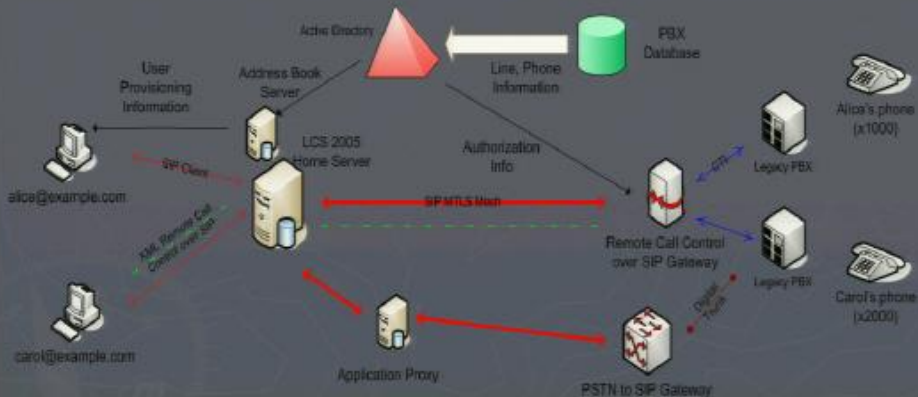
- Multimodal/Multi-party Conversations
 - Multi-party Application Sharing
 - Audio Conferencing
 - Support for multimodal conversations
 - Join support



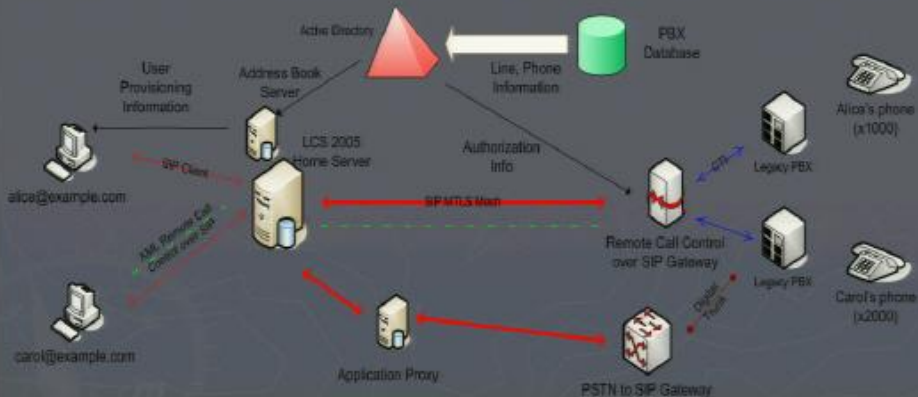
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End to End Topology



End to End Topology



Going forward...

- ▶ InfoAgent/Bestcom rules
 - A unified solution, more automation, Improved UI, Server side implementation
- ▶ Presence
 - Scalable and secure p2p implementation, federated presence, new sources of presence, aggregation & display of presence, ACLing presence
- ▶ New VoIP experiences
 - Redefining voice, push2talk, speech2text, voice search and archival, improving quality and experience, VoIP traffic analysis
- ▶ Contact enhancements
 - DLs, contextual groups (people near me, people meeting today), social networking, BOTS
- ▶ Conversation Spaces
 - Always on Audio/Video, Sharepoint sites as objects on contact list
- ▶ Business Process Integration
 - BOTS, Role based routing, IM forms, customizable notifications